AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for identifying segments of a broadcast program signal comprising, in combination, the steps of:

    receiving said broadcast program signal from an external source,

    recording said broadcast program signal as received in a storage device, ~~and~~

    identifying repeating segments of said broadcast program signal, and

    classifying said identified repeating segments based on their duration.

2. (Original) A method for identifying segments of a broadcast program signal as set forth in claim 1 wherein said step of identifying repeating segments of said broadcast program signal comprises the step of comparing a portion of said broadcast program signal with previously received and recorded portions of said broadcast program signal.

3. (Original) A method for identifying segments of a broadcast program signal as set forth in claim 1 wherein said method further comprises the step of storing bookmarking information which identifies the location of at least one of said repeating segments in said storage device.

4. (Cancelled)

5. (Currently amended) A method for identifying segments of a broadcast program signal as set forth in claim 4 wherein said step of classifying said <u>identified repeating</u> segments based on their duration consists of determining whether said duration is greater than or less than a predetermined elapsed time duration.

6. (Currently amended) A method for identifying segments of a broadcast program signal as set forth in claim 5 wherein <u>identified</u> repeating segments having a duration greater than said predetermined elapsed time duration are classified as music recordings.

7. (Currently amended) A method for identifying recordings in broadcast ~~radio~~ programming containing other content comprising, in combination, the steps of:

    recording said broadcast ~~radio~~ programming on a signal storage device,

    searching said broadcast ~~radio~~ programming for matching program segments that substantially duplicate one another, and

storing <u>bookmarking</u> information specifying the location of at least one of said matching

program segments<u>, wherein the bookmarking information is employed to enable a user to select

and play back desired segments of the at least one of said matching program segments</u>.

8. (Currently amended) A method for identifying recordings in broadcast ~~radio~~ programming

   containing other content as set forth in claim 7 wherein said information specifying the location

   of at least one of said matching program segments contains data indicating the duration of said

   matching program segments.

9. (Currently amended) A method for identifying recordings in broadcast ~~radio~~ programming

   containing other content as set forth in claim 7 wherein said step of searching said broadcast

   programming for matching program segments that substantially duplicate one another

   comprises the substeps of:

   extracting a series of fingerprint data values from said broadcast programming, each of

   said fingerprint data values being indicative of predetermined characteristics of particular

   segment of said broadcast programming,

   storing said fingerprint values in an addressable memory device, and

   searching for matching sequences of fingerprint values.

10. (Currently amended) A method for identifying recordings in broadcast ~~radio~~ programming

    containing other content as set forth in claim 9 wherein said substep of searching for matching

    sequences of fingerprint values comprises creating a sorted index to sequences of said

    fingerprint values and employing said sorted index to locate matching sequences of index

    values.

11. (Cancelled)

12. (Currently amended) A method for identifying <u>recordings</u> ~~repeating content~~ in [[a]] broadcast

    <u>programming containing other content, as set forth in claim 7, wherein said step of searching

    said broadcast programming for matching program segments comprises</u> ~~program signal

    comprising, in combination,~~ the <u>substeps</u> ~~steps~~ of:

    processing said <u>broadcast programming</u> ~~signal~~ to create a sequence of identification

    values indicative of the content of a corresponding sequence of intervals of said <u>broadcast

    programming</u> ~~program signal~~, and

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searching said sequence of identification values for substantially matching patterns of values indicative of said-repeating content.

13. (Currently amended) A method for identifying recordings repeating content in [[a]] broadcast programming containing other content as set forth in claim 12 wherein said step of processing said broadcast programming signal to create a sequence of identification values employs a wavelet transformation.

14. (Currently amended) A method for identifying recordings repeating content in [[a]] broadcast programming containing other content as set forth in claim 12 wherein said step of processing said broadcast programming signal to create a sequence of identification values comprises the substeps of:

processing different portions of said signal using a wavelet transform to generate a plurality of different wavelet coefficients, and

combining predetermined groups of said wavelet coefficients to create said sequence of identification values.

15. (Currently amended) The method for identifying the presence of a pre-recorded program segment in a source program signal comprising, in combination, the steps of:

employing a wavelet transform to extract first sequence of wavelet coefficient values from said pre-recorded program signal,

employing said wavelet transform to extract a second sequence of wavelet coefficient values from said source program signal, and

searching said second sequence for the values substantially matching at least a portion of said first sequence of wavelet coefficient values, and

storing bookmarking information specifying a location of an identified pre-recorded program segment, wherein the bookmarking information is employed to enable a user to select and play back the identified pre-recorded program segment.

16. (Original) The method for identifying the presence of a pre-recorded program segment in a source program signal as set forth in claim 15 wherein said step of searching said second sequence for the values substantially matching at least a portion of said first sequence of wavelet coefficient values comprises the substeps of:

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converting said first sequence of wavelet coefficients into at least two identification fingerprint values characterizing the beginning and ending of said pre-recorded program segment,

converting said second sequence of wavelet coefficient values into a succession of fingerprint values charactering successive samples of said source program signal, and

searching said succession of fingerprint values for said identification fingerprint values.

17. (Original) The method for identifying the presence of a pre-recorded program segment in a source program signal as set forth in claim 16 wherein each of said fingerprint values comprises a binary word in which selected bits represent corresponding ones of said wavelet coefficients.

18. (Original) The method for identifying the presence of a pre-recorded program segment in a source program signal as set forth in claim 16 wherein said first sequence of wavelet coefficient values is extracted from a different portion of said pre-recorded program signal.

19. (New) A method for identifying recordings in broadcast programming containing other content as set forth in claim 7, wherein the bookmarking information is employed to enable the user to skip from a current matching program segment to at least one of a next matching program segment and a previous matching program segment.

20. (New) A method for identifying recordings in broadcast programming containing other content as set forth in claim 7, wherein the bookmarking information is employed to enable the user to form a playlist of matching program segments, for allowing playback of segments of the playlist, in an order specified by the playlist, in the absence of an intervening command by the user.

21. (New) A method for identifying recordings in broadcast programming containing other content as set forth in claim 7, wherein the bookmarking information comprises data that describes contents of the at least one of said matching program segments, said data being displayed to the user to facilitate selection and playback of desired segments of the at least one of said matching program segments.

22. (New) A method for identifying recordings in broadcast programming containing other content as set forth in claim 21, wherein said data comprises at least one of a title corresponding to

contents of a program segment, a performer corresponding to contents of a program segment, a source of a program segment, and a classification type of a program segment.

23. (New) The method for identifying the presence of a pre-recorded program segment in a source program signal as set forth in claim 15 wherein the bookmarking information is employed to enable the user to skip from a current identified pre-recorded program segment to at least one of a next identified pre-recorded program segment and a previous identified pre-recorded program segment.

24. (New) The method for identifying the presence of a pre-recorded program segment in a source program signal as set forth in claim 15 wherein the bookmarking information is employed to enable the user to form a playlist of identified pre-recorded program segments, for allowing playback of segments of the playlist, in an order specified by the playlist, in the absence of an intervening command by the user.

25. (New) A method for identifying the presence of a pre-recorded program segment in a source program signal as set forth in claim 15 wherein the bookmarking information comprises data that describes contents of the identified pre-recorded program segment, said data being displayed to the user to facilitate selection and playback of desired identified pre-recorded program segments.

26. (New) A method for identifying the presence of a pre-recorded program segment in a source program signal as set forth in claim 25 wherein said data comprises at least one of a title corresponding to contents of a program segment, a performer corresponding to contents of a program segment, a source of a program segment, and a classification type of a program segment.